

Safe at School

Vital information about School Safety and Buried Pipelines for your Staff and Faculty



Gas Leak Forces Evacuation of School

2/28/06 – KTRK/ HOUSTON ABC 13 Eyewitness NEWS

A construction crew digging on a water line apparently hit a gas line. The leak was reported at Westheimer and Shepherd which is close to Anne's Catholic school. Students were taken to a nearby grocery store parking lot.

Police say the area was blocked off between Westheimer and Kirby to solve the problem.

There were no other incidents. The area was taken to be safe from the gas leak.

Gas line explosion forces residents to seek shelter

Posted: November 14, 2013
Daily Light, Waxahachie TX

A drilling crew punctured a gas pipeline triggering an explosion that led emergency personnel to evacuate Milford, Texas. All students in Milford ISD were evacuated to the nearby town of Italy.

Right after the explosion, black smoke poured hundreds of feet into the air and flames jumped stories high. Some vehicles at the worksite were reportedly burned. Residents within a mile-and-a-half radius of the explosion were evacuated.

Pipeline Safety:

Are you well informed?

Are you prepared?

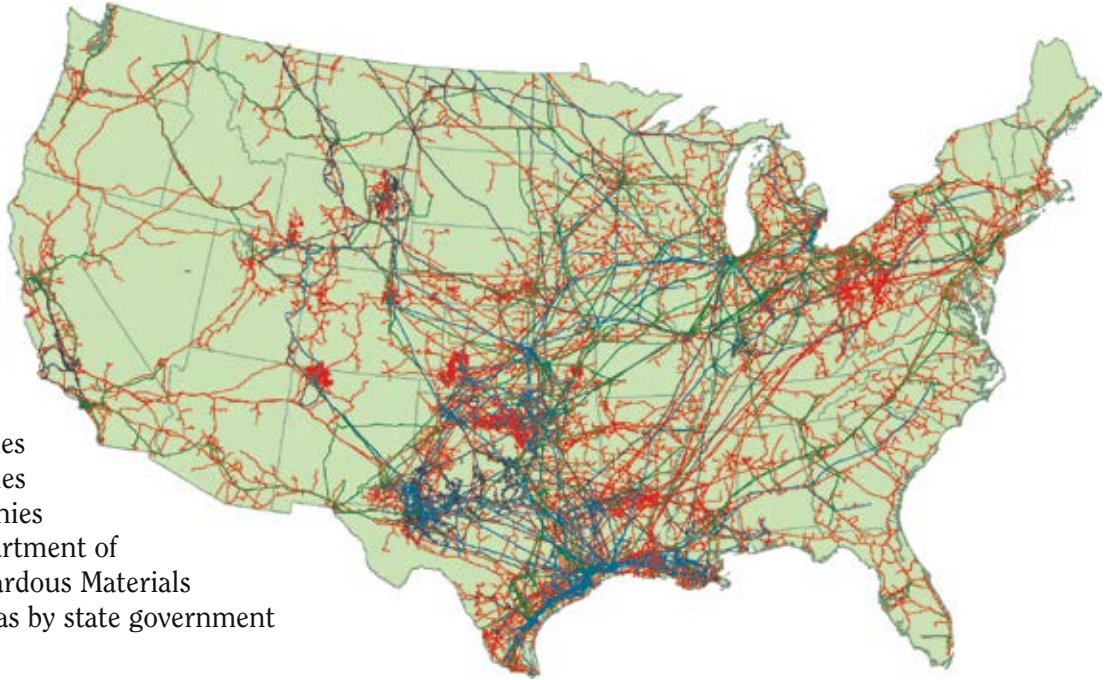
Is Pipeline Safety part of your Safety Procedures plans?

School Pipeline Safety and Emergency Procedures

- *Are your students safe?*
- *Are your school staff, faculty, community and bus drivers prepared to act safely in the case of a pipeline emergency?*

Are there buried pipelines or pipeline facilities near your school grounds?

You have been sent this Safe at School brochure because an underground pipeline is located near your school grounds or your students travel across or near buried pipelines on their way to school. As a part of our energy infrastructure, underground pipelines crisscross our country as the safest way to transport fluids and gases. These pipelines are monitored by the companies that operate them; the companies are regulated by the U.S. Department of Transportation's Pipeline Hazardous Materials Safety Administration as well as by state government safety agencies.



Pipelines are typically underground, but they are located aboveground in select climates and at compressor stations, pumping stations, valve sites and terminals. Pipelines are constructed in a corridor of land called the pipeline right-of-way that includes the land over and around the pipeline, typically 25 feet on each side. Right-of-way agreements limit how the corridor is used in order to protect the pipeline and allow operators to monitor and inspect the pipeline.

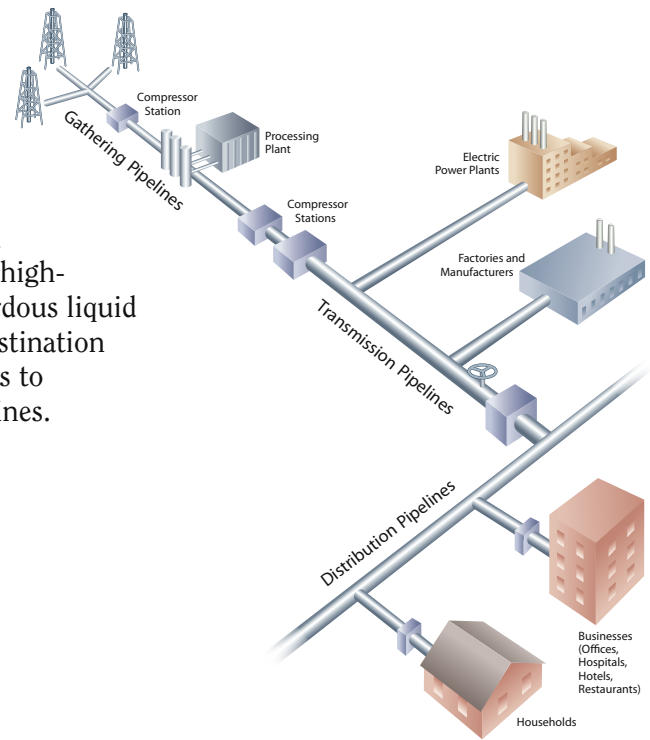
There are 2.6 million miles of underground pipelines in the United States. It may surprise you to learn that many U.S. schools are located within a half a mile of a buried pipeline, including 4,449 elementary schools.

In fact, your school is located within about 1,000 feet of a clearly marked petroleum or natural gas transmission pipeline or visible pipeline facility.



Types of Pipelines

There are three primary types of pipelines: gathering, transmission and distribution. *Gathering pipelines* transport natural gas, CO₂ and petroleum products from the wellhead and production areas to processing facilities. *Transmission pipelines* transport natural gas, CO₂ and hazardous liquid to marketing and distribution terminals. Transmission pipelines are typically large, high-pressure pipelines. *Distribution systems* for natural gas and hazardous liquid differ. Liquid products are stored and transported to their final destination by tanker trucks. Natural gas is transported from storage locations to residential and business customers by smaller, low-pressure pipelines.

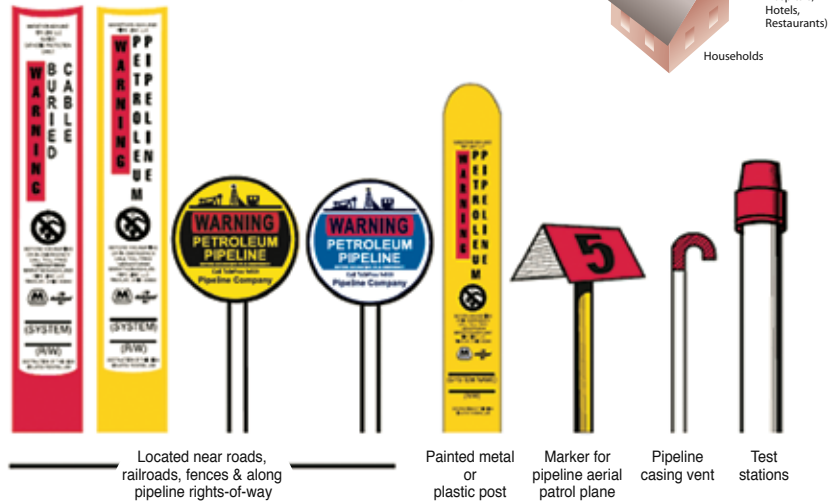


Locating Pipelines in Your Community

One of these pipeline marker signs should be familiar. There is one near your school alerting you to a buried pipeline. Pipeline markers are located along the pipeline route, at road and railroad crossings, waterways and at all aboveground facilities.

Markers identify the general area but not the exact location or depth of the pipeline. They specify the type of product transported, the operator's name and an emergency contact number.

The federal government also provides maps that show the approximate location of transmission pipelines in your community through the National Pipeline Mapping System. www.npms.phmsa.dot.gov and click on **NPMS Public Map**.



Warning Signs Exist for Important Reasons

Railroads are essential to our way of life. Drivers and pedestrians are all taught to respect railroad trains and tracks and the hazards they imply. *You can see railroad tracks!*



Pipelines are also essential to our way of life. Similar to railroad tracks, the signs marking the network of buried pipelines running across the country and even through our communities also imply a potential hazard... *a potential hazard that deserves your respect!*



Have you established a school response and evacuation plan in the unlikely event of a pipeline leak or rupture?



Schools commonly have an emergency plan in place for many potentially dangerous situations including fire, hazardous weather events, and even acts or threats of violence on school property. Although rare, pipeline emergencies have occurred, threatening the safety of students and school personnel. It is vital that your school safety plan informs students, school faculty and staff, bus drivers, safety cross guards, and even your parent community about pipeline safety. Such safe practices include:

- Knowledge about the location of local pipelines
- Understanding the warning signs of a pipeline leak
- Preparing safe responses to a pipeline leak



Safety Caution: In spite of the fact that an open field or clearing along a pipeline “right-of-way” may appear to be a safe location, it is not a safe choice to relocate students during a school evacuation. Design your school evacuation plans to direct student and school personnel away from any pipeline “right-of-way” near your school.



Your First Responder will guide you on the proper response.

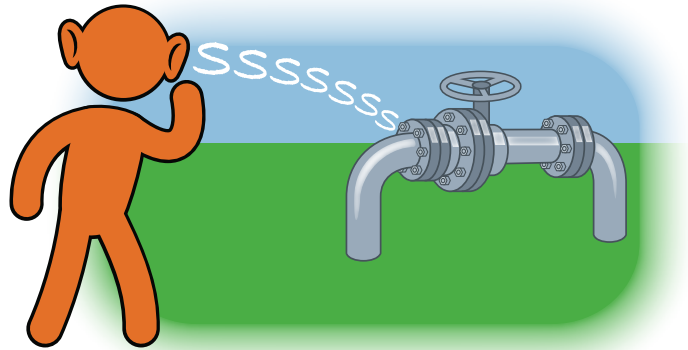
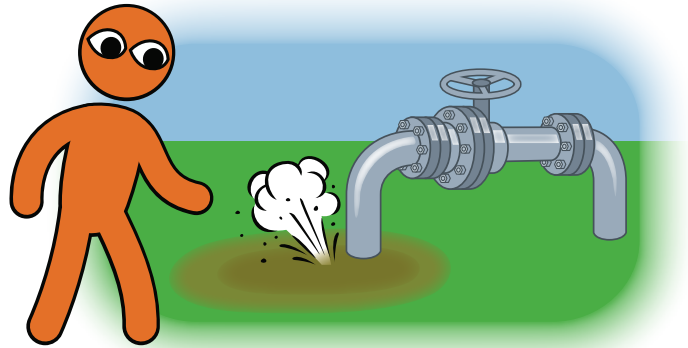
The response will vary, depending upon the nature of the problem and other influencing variables. As in all emergencies, the first step is to stay calm and remain flexible as the emergency unfolds.

Do all the adults in your school community know how to recognize and respond to a pipeline emergency?

How to recognize a pipeline leak

SIGHT

- A pool of liquid on the ground near a pipeline
- A rainbow sheen on water
- Dead or discolored vegetation amid healthy plants
- Dirt being blown into the air
- Water bubbling or being blown into the air
- A low-lying, dense white cloud or fog originating near the pipeline location
- Frozen ground near the pipeline
- Fire or explosion near the pipeline

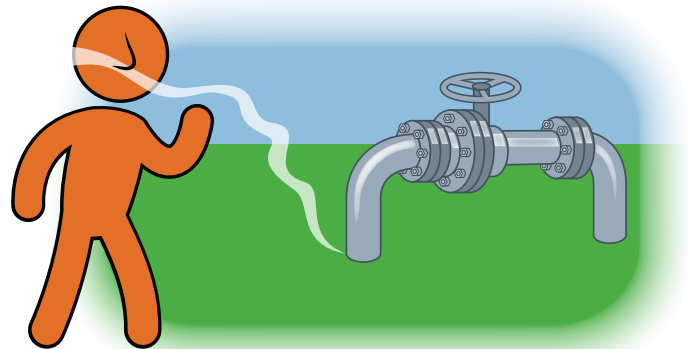


SOUND

- Hissing or roaring sound

SMELL

- Petroleum scent or other unusual odor such as sulfur (e.g., rotten eggs or garlic-like) or mildly fragrant odor



If you suspect a leak, or a leak occurs:

- Leave the area immediately in an upwind direction and warn others to stay away.
- If in a school, evacuate students and staff from the area immediately as outlined in your emergency response plan.
- Avoid potential ignition sources which may cause an explosion or fire. Do not light a match, start an engine, use a telephone/cell phone or turn on/off any electrical appliances.
- Once you are a safe distance away from the potential leak use a telephone or cell phone to call 911.
- Do not drive into an area where you suspect a leak or see a vapor cloud. Do not touch or operate pipeline valves.
- Avoid making contact with escaping liquids or vapors. Potential hazards may include eye, skin, and respiratory irritation and the product may be highly flammable.





Your School's Pipeline Emergency Preparedness Plan

The following steps are recommended for developing a pipeline emergency preparedness plan:

- Complete your School Emergency Preparedness Plan (page 7) with information important for First Responders (911, fire station, police station) when calling in an emergency.
- Identify the name of the pipeline operator, the product transported and the operator's emergency contact number (printed on the pipeline marker). By supplying details about the pipeline, you will assist the First Responder.
- Contact the pipeline operator to verify the product(s) carried in the pipeline(s). Ask the pipeline operator to provide you with the MSDS sheets about the product.
- Identify the school district contact you would notify in the case of an emergency. Make certain that the contact person knows that a pipeline right-of-way is near your school.
- Identify school personnel to serve as emergency coordinators so that information and directions can be safely disseminated throughout the school population should an emergency occur.
- Provide the First Responder with a cell phone contact number in the case of a school evacuation. First Responders may need to be able to contact school personnel without going through the usual school phone switchboard.
- Inform key school and community personnel regarding:
 - Location of nearby pipelines and aboveground pipeline facilities.
 - Safe practices in pipeline right-of-ways. (Call 811 before you dig!, Call 911 in an emergency.)
 - Warning signs of a pipeline leak. (See "How to recognize a pipeline leak" on page 5.)



**Know what's below.
Call before you dig.**

School Pipeline Emergency Preparedness Plan

Important Information for the First Responder (when you call 911)

School:

Geographic Location of Pipeline Near School:

Pipeline Company / Operator's Name:

Pipeline Company / Operator's Contact Number:

Pipeline Company / Operator's Contact Name, if available:

Type of Product Transmitted:

Emergency Operator Contact Number:

Emergency First Responder Name and Contact Number:

Cell Phone # of Administrator(s) Serving as First Responder's Emergency Contact:

Name:

Phone:

School District Contact to Report Emergency:

Name:

Phone:

School Pipeline Emergency Action Plan

In the case of a pipeline emergency:

- Move to a safe distance away from the pipeline leak, and then...
- Call Your First Responder (911)** – be prepared to provide the information in your Pipeline Emergency Preparedness Plan (above).
- Call the pipeline company to alert them of the problem.
- Notify school district contact to report the emergency.
- Follow the instructions provided by the First Responder.
Disseminate the instructions through your emergency coordinators.

Notes:



Who needs to know about your school pipeline emergency preparedness plan?

Principal and other school administrators:

Make certain that your school emergency procedures include proper responses to pipeline emergencies and pipeline safety procedures like “Call 811 before you dig”. Conduct disaster scenarios or tabletop exercises with your faculty and staff to simulate a pipeline incident.

Teachers:

Familiarize yourself with your school’s pipeline emergency procedures. Listen carefully to any student comments about observations that might imply pipeline leaks or dangerous pipeline related situations. Use the **Safe at School** posters provided to your school as a resource for student instruction on pipeline safety.

School Office Staff:

Familiarize yourself with the school pipeline emergency procedures. Listen carefully to any student comments about observations that might imply pipeline leaks or dangerous pipeline related situations.

Bus Drivers and Crosswalk Guards:

Learn to recognize indications of a possible leak and know how to respond appropriately at schools, along bus routes or in pedestrian areas.

School Maintenance and Food Preparation Staff:

Familiarize yourself with your school’s pipeline emergency procedures. Be watchful for signs of a leak or suspicious gas odors on the school grounds. Make certain that excavation on or near school grounds is safe by calling the 811 One-Call number.

Parents and Guardians:

Be informed about safe practices around pipeline right-of-ways and be aware of the school pipeline emergency procedures. Be watchful for the signs of a pipeline leak near home or school grounds.



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www.kindermorgan.com/public_awareness

Kinder Morgan is providing you with this information to increase your awareness about their pipelines in your community.

NON-EMERGENCY INQUIRIES:

<http://PA-InfoRequest.kindermorgan.com> or (800) 276-9927